

Helping children walk
...around the *world*



INTERNATIONAL CLUBFOOT SYMPOSIUM

September 12-14, 2007
Wednesday-Friday

Location:

Marriott Coralville Hotel & Conference Center
300 E. 9th Street
Coralville, Iowa

ANNUAL PONSETI TRAINING COURSE

Saturday, September 15, 2007
University of Iowa Hospitals and Clinics
Braley Auditorium

Funded by

National Institutes of Health
National Institute of Child Health
and Human Development
National Institute of Arthritis and
Musculoskeletal and Skin Diseases
Office of Rare Diseases
Ponseti International Association

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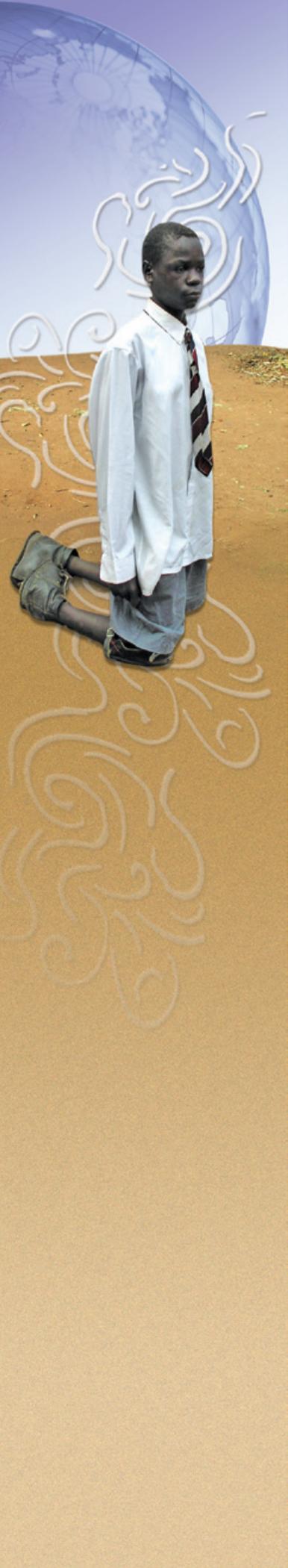
Judge William C. Hanson Pediatric
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In collaboration with

World Health Organization
National Center on Birth Defects and
Developmental Disabilities
Centers for Disease Control and Prevention
US Bone and Joint Decade
American Academy of Orthopaedic Surgeons
American Academy of Pediatrics
Pediatric Orthopaedic Society
of North America
Shriners Hospitals for Children

Sponsored by

University of Iowa Roy J. and Lucille A.
Carver College of Medicine,
Department of Orthopaedics
and Rehabilitation
University of Iowa College of Public Health



General Information

Purpose

This meeting will serve as a unique forum to explore many aspects of the etiopathogenesis of idiopathic and syndromic clubfoot, which represents the most common musculoskeletal birth defect and a leading cause of childhood disability in the developing world. In addition, a rigorous evaluation of treatment outcomes for both non-invasive and surgical procedures will be addressed. Finally, there will be discussions on public health issues with the main goal of developing programs to prevent and eradicate neglected clubfoot.

Objectives

Upon completion of this program, the participant should be able to:

- Distinguish between clubfoot and other congenital foot birth defects.
- Describe the epidemiology and etiopathogenesis of congenital idiopathic clubfoot.
- Review current understanding of muscle development.
- Recognize genetic mutations associated to syndromic clubfoot.
- Review the evidence-based support for the treatment of clubfoot.
- Describe the treatment protocol for complex clubfoot cases and relapses.
- Discuss long-term outcomes of clubfoot surgery and the Ponseti method.
- Explain new IT technologies to create a Global Health Campus.
- Discuss strategies to develop national programs to eradicate neglected clubfoot.

Credit

Physicians: The University of Iowa Roy J. and Lucille A. Carver College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Iowa Carver College of Medicine designates this educational activity for a maximum of 29 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Wednesday, September 12 only: 6.75 Category 1 Credits

Thursday, September 13 only: 7.0 Category 1 Credits

Friday, September 14 only: 7.0 Category 1 Credits

Saturday, September 15, only: 8.25 Category 1 Credits

Program Content

Determination of educational content for this program and the selection of speakers are responsibilities of the program director. Firms providing financial support did not have input in these areas.

DISCLOSURE POLICY: Everyone in a position to control the content of this educational activity will disclose to the CME provider and to attendees all relevant financial relationships with any commercial interest. They will also disclose if any pharmaceuticals or medical procedures and devices discussed are investigational or unapproved for use by the U.S. Food and Drug Administration (FDA).

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Individuals with disabilities are encouraged to attend all University of Iowa sponsored events. If you are a person with a disability who requires an accommodation in order to participate in this program, please contact the Continuing Medical Education Division in advance at (319) 335-8599.



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Wednesday, September 12, 2007

8:00 AM Welcome Remarks

Jean E. Robillard, MD
UI Vice President for Medical Affairs, University of Iowa;
Dean, Carver College of Medicine

James W. Hanson, MD
Center for Developmental Biology and Perinatal Medicine
National Institute of Child Health and Human Development

Margaret Honein, PhD, MPH
National Center on Birth Defects and Developmental Disabilities
Centers for Disease Control and Prevention

Alena Petrakova, MD, PhD
Knowledge Management and Sharing Information, Evidence
and Research
World Health Organization

LIMB AND MUSCLE DEVELOPMENT

President: Jacqueline Hecht, PhD; Moderator: Matthew Dobbs, MD

8:30 AM Invited Lecture: "Update in Muscle Structure and Function"
Steven A. Moore, MD, PhD

9:15 1.) Idiopathic Talipes Equinovarus (ITEV) (Clubfeet) in Texas.
Ranjani N. Moorthi, MD; Syed Shabrukh Hashmi, MD, MS;
Peter Langois, PhD; Mark Canfield, MD; Kim Waller, PhD;
Jacqueline T. Hecht, PhD

9:30 2.) A Search for the Gene(s) Predisposing to
Idiopathic Clubfoot – Frederick R. Dietz, MD;
William G. Cole, Laura L. Tosi, Norris C. Carroll,
R. D. Wimer, Dawn Comstock, Jeffrey C. Murray

9:45 3.) Idiopathic Clubfeet and the Carter Effect
Christina A. Gurnett, MD, PhD; Lisa Baumann, MD;
Matthew B. Dobbs, MD

10:00 AM 4.) Hox genes and Idiopathic Talipes equinovarus
A.R. Ester, BS; D. Ma, BS; A. Scott, MD; G. Tjerman, MD;
C. Wise, PhD; S.H. Blanton, PhD; J.T. Hecht, PhD

10:15 AM Coffee Break

President: Jeff Murray, MD, Moderator: Erica Lamprecht, MD

10:30 Invited Lecture: "Multiple Congenital Contractures and
its Relationship to Clubfeet" – Judith Hall, MD, MS

11:15 5.) Absence of HOXD10 Mutations in Idiopathic
Clubfoot and Sporadic Vertical Talus
Christina A. Gurnett, MD, PhD; Cassie Keppel, BS, MS;
Jennifer Bick, BS; Anne M. Bowcock, PhD; Matthew Dobbs, MD

11:30 6.) Mutation Analysis of WNT7a and CAND2 in
Patients with Idiopathic Clubfoot
M.S. Sinnwel, P. F. Gomez, J. A. Morcuende

11:45 7.) Apoptotic Gene Analysis in Idiopathic Talipes
Equinovarus (clubfoot)
Audrey R. Ester, BS; Gayle Tjerman, MD; Carole Wise, PhD;
Allison Scott, MD; D. Ma, BS; Susan H. Blanton, PhD;
Jacqueline T. Hecht, PhD

12:00 PM 8.) Distal Arthrogyposis Genes and Clubfoot
X. Tang, MS; M. Bamshad, A. Scott, MD; C. Wise, PhD;
G. Tjerman, MD; D. Ma, BS; S.H. Blanton, PhD; J.T. Hecht, PhD

12:15 Lunch

EPIDEMIOLOGY AND GENETICS OF CLUBFOOT AND ASSOCIATED SYNDROMES

President: Frederick Dietz, MD, Moderator: Christina Gurnett, MD, PhD

1:30 PM Invited Lecture: "Genetic Risks Factors for Idiopathic and
Syndromic Clubfoot" – Michael Bamshad, MD

2:15 9.) Variable Hand and Foot Abnormalities in a Family with
Congenital Vertical Talus and CDMP-1 Gene Mutation
Matthew B. Dobbs, MD; Christina A. Gurnett, MD PhD;
Jason Robarge; J. Eric Gordon, MD;
José A. Morcuende, MD, PhD; Anne M. Bowcock, PhD

2:30 10.) Increasing Rate of Detection of Clubfoot at Birth and
Improving Midwives' Knowledge about Detection and
Treatment of Clubfoot: The Value of a Focused Continuing
Professional Education (CPE) Program
Uganda Sustainable Clubfoot Care Project
– Mr. Gonzapg Waiswa, Dr. Jackson Amone

2:45 11.) Idiopathic Congenital Talipes Equinovarus and Incidence
of Hip Dysplasia – S. Vladusic, P. Weigall, X. Nardino, P. Selber

3:00 12.) Ponseti Method in Older Children: A 3D MRI Analysis
Shafique Pirani, MD; David Hodges, MD; Sorin Siegler, PhD;
Richard Brand, MD; William Morrison, MD; Jay Udupa, PhD;
Ignacio Ponseti, MD

3:15 Coffee Break

President: José A. Morcuende, MD, PhD; Moderator: Lori Karol, MD

3:30 Invited Lecture: "Misoprostol Effects on Limb Development"
Maria Joaquina Marques-Dias, MD

4:15 13.) Ultrasound Evaluation of Clubfoot Correction During
Ponseti Treatment – Alaric Aroojis, MD;
Sameer Desai, MD; Arjun Dhawale, MD

4:30 14.) Ten Years Experience of Ultrasound Investigation of
Clubfeet: Benefits and Difficulties
A. Johansson, Y. Aurell, B. Romanus, C. Gyulai

4:45 15.) Natural History of Relapses in Idiopathic Clubfoot
Treated with the Ponseti Method
Matthew E. Lovell, MD; Lori A. Dolan, PhD;
José A. Morcuende, MD, PhD

5:00 16.) Radiographs in the Treatment of Clubfeet Using the
Ponseti Method – C. Radler, H.M. Manner, R. Suda,
R. Burghardt, J.E. Herzenberg, R. Ganger, F. Grill

6:30 PM Reception – hors d'oeuvres



Thursday, September 13, 2007

**TREATMENT APPROACHES AND OUTCOMES
IN CLUBFOOT**

Presider: Stuart L. Weinstein, MD; Moderator: S. Bora Goksan, MD

- 8:00 AM Invited Lecture: "Fundamentals of Clubfoot Treatment"
Ignacio V. Ponseti, MD
- 8:45 17.) Efficiency of Initial Correction in Idiopathic Clubfoot with Ponseti Technique – *Monica Paschoal Nogueira, MD; Kim Jung Ho, MD; Queiroz Ana Claudia Flacao, MD; Reinaldo S. Volpi, MD; Laura F. A. Ferreira, MD; José Luis Zabeo, MD; Rached Eduardo, MD; Brandao Gilberto, MD*
- 9:00 18.) Accelerated vs. Standard Ponseti Protocol: A Case-Controlled Study – *Uganda Sustainable Clubfoot Care Project – Dr. Isidor Ngayomela, Mr. Edward Naddumba*
- 9:15 19.) The Foot Abduction Brace in the Ponseti Method for Idiopathic Clubfoot Deformity Torsional Deformities and Compliance
Marc Sinclair, MD; Stephanie Boehm, MD
- 9:30 20.) Ponseti vs. French Physiotherapy for Clubfeet? Which is Better?
B. Steve Richards, MD; Shawne Faulks, CNS; Karl E. Rathjen, MD; Lori A. Karol, MD; John G. Birch, MD; Charles E. Johnston, MD; John A. Herring, MD; Daniel J. Sucato, MD; Sarah Signall, PT
- 9:45 21.) A Comparison of Surgeon and Physiotherapist Run Clubfoot Clinics Using the Ponseti Method
Joseph A. Janicki MD; Umni G. Narayanan, MBBS, FRCSC; Barbara Harvey, BHSc, PT; Anvesh Roy, Shannon Weir, BSc; James F. Wright, MD, MPH, FRCSC
- 10:00 22.) A Physiotherapist-Delivered Ponseti Service: The Experience from a Teaching Hospital in London
N. Shack, MCSP; D. M. Eastwood, FRCS

10:15 POSTER SESSION

10:15 BREAK-OUT SESSION: BRACES AND ORTHOTICS FOR CLUBFOOT

Donald Shurr, CPO, PT, and Michelle Hall, CPO

10:15 BREAK-OUT SESSION: eGRANARY AND ELLUMINATE LIVE

10:15 BREAK-OUT SESSION: HISTORICAL NOTES

12:00 PM Lunch

Presider: Marc Sinclair, MD; Moderator: Ashok K. Banskota, MD

- 1:30 23.) Results of Treatment of Clubfoot Relapses after Age 4 Years
Scott D. McKay, MD; José Morcuende, MD; Lori Dolan, PhD
- 1:45 24.) The Ponseti Method for Treating Clubfoot in Older Children and Children with Previous Unsuccessful Subtalar Releases: Short-Term Results – *Julyn Aguilar, MD; Ferdinand R. Bernal, MD; Maria Josephine de Peralta, MD*
- 2:00 25.) Early Results of a New Method of Treatment for Idiopathic Congenital Vertical Talus
Matthew B. Dobbs MD; Derek B. Purcell, MD; Ryan Nunley, MD; José Morcuende, MD, PhD
- 2:15 26.) A Cost Analysis of Clubfoot Treatment in Hospital Universitario of Universidade de Sao Paulo
Laura Fernanda Alves Ferreira, MD

- 2:30 27.) Educational Needs and Daily Life Effects of Treatment of Parents with Children with Clubfoot: A Quality Survey
Maria Paulsen RN, MSN; A. Stineman, PhD, RN; Lori A. Dolan, PhD; José Morcuende, MD

- 2:45 28.) Evaluation of a Disease Specific Instrument for Idiopathic Clubfoot Outcome
Frederick R Dietz, MD; Margaret C. Tyler, MA, MSW; Kecia S. Leary, DDS; Peter C. Damiano, DDS

3:00 Coffee Break

Presider: Harold Van Bosse, MD; Moderator: Anna Ey, MD

- 3:15 29.) Gait analysis of Children Treated Non-Operatively for Clubfoot: Physical Therapy vs. Ponseti Casting
Lori Karol, MD; Kelly Jeans, MS; Ron El-Hawary, MD; B. Stephens Richards, MD
- 3:30 30.) Health and Function of Patients with Treated Idiopathic Clubfeet: 50-Year Follow-Up Study
José A. Morcuende, MD, PhD; Matthew Lovell, MD; Lori Dolan, PhD; Ignacio V. Ponseti, MD
- 3:45 31.) Long-Term Follow-Up of Comprehensive Soft-Tissue Release for Clubfoot Deformity – *P. A. Smith, MD; A. Graf, MS; S. Hassani, MS; A. Flanagan, PT; A. Caudill, PT, MPT; J. Long, MS; G. Harris, PhD, PE*
- 4:00 32.) Correlation between Radiological Morphology and Functional Results of Operatively Treated Clubfeet
Harry Huber, MD
- 4:15 33.) Long-Term Follow-Up Results in Patients with Congenital Clubfoot Treated with Two Different Protocols
Pasquale Farsetti, MD; Ernesto Ippolito, MD
- 4:30 34.) Long-Term Follow-Up of Patients with Clubfeet Treated with Extensive Soft-Tissue Release
Matthew B. Dobbs, MD; Ryan Nunley, MD; Perry L. Schoencker, MD
- 4:45 35.) Health-Related Quality of Life at the Age of 60 Years or More with Congenital Clubfoot
Henrik Wallander, MD; Göran Hanson, MD, PhD

6:30 PM Gala Dinner



Friday, September 14, 2007

**PUBLIC HEALTH INTERNATIONAL PROGRAMS FOR
CHILDREN'S DISABILITIES**

Presider: Thomas Cook, PhD; Moderator: Christof Radler, MD

- 8:00 AM Invited Lecture: "Information and Knowledge Networking"
Alena Petrakova, MD
- 8:45 36.) Training Orthopaedic Surgeons in Brazil: A National Program for clubfoot – *Monica Paschoal Nogueira, MD*
- 9:00 37.) Clubfoot Treatment – Nepal Experience
Ashok K Banskota, MD; David A Spiegel, MD; Om P. Shrestha, MS (Orthopedic)
- 9:15 38.) A Small Step Towards a Healthy Walk: A big Change or Clubfoot: A Report on Awareness Campaign in China Clubfoot Project
Li Zhao, MD, PhD; Qing Du, MD; Shaochuan Pan, MD; José Morcuende, MD, PhD; Jianping Yang, MD

- 9:30 39.) **Our Experience with the Ponseti Method in Turkey**
S. Bora Göksan, MD; Ayegül Bursalı, MD; Fuat Bilgili, MD; N. Ekin Akalan, MS, PT; Eylem Yılmaz Koç, OT; Yener Temelli, MD
- 9:45 40.) **Early Results of Ponseti Technique in Cairo, Egypt**
Abdel Khalek Ibrahim, MD; Yasser A. Elbatrawy, MD; Yehia Tarraf, MD; Gad Abdelbaky, MD; Hany Saied, MD
- 10:00 **Coffee Break**
President: Monica Nogueira, MD; Moderator: Oliver Eberhardt, MD
- 10:15 41.) **The Ponseti Method in Mali – Starting a Clubfoot Program in a Developing Country**
C. Radler, K. Waschak, M. Salzer
- 10:30 42.) **Ponseti Method: The Mexican Experience**
Aurelio Martinez, MD
- 10:45 43.) **The Ponseti Method – Thai Experiences**
Amnuay Jirasirikul, MD
- 11:00 44.) **Treatment of Congenital Clubfoot Using the Ponseti Method in China – Yanzhou Wang, Mingang Zhang, Hengbing Wang, Jimeng Wang**
- 11:15 45.) **Treatment of Idiopathic Clubfoot with the Ponseti Method – Chilean Experience**
Gastón Terrazas Lafargue, MD; Roberto del Río, MD
- 11:30 46.) **The Ponseti Method in Clubfoot Treatment: a Portuguese Experience in 62 Consecutive Clubfeet**
Cristina Alves, MD; António Pedro Freitas, MD; Mark Dinis, MD; Miguel Vieira, MD; Marco Freitas, MD; Patrícia Franç, MD; Luís Filipe Costa Neves, MD
- 11:45 AM **Lunch**
President: Shafique Pirani, MD; Moderator: Cristina Alves, MD
- 1:15 PM **Invited Lecture: “Uganda Experience in the Development of a National Clubfoot Program” – Ugandan Sustainable Clubfoot Care Project – Mr. Edward Naddumba**
- 2:00 47.) **The Ponseti Method in Germany: 3 ½ Years Experience with 170 Clubfeet – Oliver Eberhardt, MD**
- 2:15 48.) **The Ponseti Method in Vienna: Results and Pitfalls**
C. Radler, MD; K. Waschak, MD; R. Suda, MD; F. Grill, MD
- 2:30 49.) **Treatment of Children Born with Clubfoot Using the Ponseti Method in Russia**
V. F. Blandinskiy, MD; M. A. Vavilov, MD; T. E. Torno, MD
- 2:45 50.) **Ponseti Technique in the Treatment of Clubfeet in Children Older than 1 Year of Age: A Brazilian Experience.**
Monica Paschoal Nogueira, MD; Launa Alves Ferreira, MD; Ana Claudia Queiroz, MD; Jung Ho Kim, MD
- 3:00 **Coffee Break**
- 3:15 51.) **Ponseti’s Manipulation in Neglected Clubfoot**
Shah Alam Khan, MD
- 3:30 52.) **Lessons on the Ground: NGO Perspective on Developing Clubfoot Programs – Meera Rao**
- 3:45 53.) **Creating a Countrywide Program Model for Implementation of a Clubfoot Treatment Program in Developing Countries Utilizing the Ponseti Method**
J. T. Mach Aria, T. C. Mead, C. B. D. Lavy, E. A. Mayo
- 4:00 54.) **Parent Clubfoot Support Groups on the Internet**
Martin Egbert
- 4:15 **ROUND TABLE: RECOMMENDATIONS FOR FUTURE RESEARCH: BASIC, TRANSLATIONAL AND PUBLIC HEALTH**
 Moderators: Alena Petrakova and José Morcuende
- 4:45 **Final Comments and Adjourn**



Saturday, September 15, 2007

PONSETI METHOD TUTORIAL

University of Iowa Hospitals and Clinics
 Braley Auditorium
 01136 PFP

- 8:00 AM **Opening Remarks**
 Joseph A. Buckwalter, MD
 Chairman, Department of Orthopaedic Surgery and Rehabilitation
- 8:10 **“Pathology and Treatment of Idiopathic Clubfoot”**
Ignacio V. Ponseti, MD
- 9:00 **“Identification and Treatment of Complex Clubfoot”**
José A. Morcuende, MD, PhD
- 9:15 **“Recognition and Management of Relapses”**
José A. Morcuende, MD, PhD
- 9:30 **Coffee Break**
- 9:45 **Patient Casting Session and Tenotomy video**
- 9:45 **Break-Out Session: Bracing and Orthotics in Clubfoot**
- 12:00 PM **Lunch – East Room, 8008 RCP**
- 1:15 **Technique Practice with Models and Instructors**
- 1:15 **Break-Out Session: Orthotics for Clubfoot**
- 4:00 **Coffee Break**
- 4:15 **“50 year Follow-Up of Patients Treated with the Ponseti Method”**
José A. Morcuende, MD, PhD
- 4:45 **“Long-Term Outcomes of Surgery for Clubfoot”**
Matthew B. Dobbs, MD
- 5:15 **Patient and Parent Testimonials**
- 5:45 **Final Discussion and Questions**
- 6:00 **Adjourn**
- 7:00 PM **Dinner**
 University Athletic Club, 1360 NE Melrose Ave.



Poster Program

Wednesday, September 12 – Friday, September 14, 2007

- P-01 **Impact of Clubfoot Etiology on Treatment Outcomes**
Christina A. Gurnett, Stephanie Boehm, Anne Connolly, Tyler Reimschisel, and Matthew B. Dobbs
- P-02 **Prognostic Value Of Pretreatment Clubfoot Rating to Outcome Following Ponseti Cast Treatment**
B. Steve Richard, MD; Lori A. Karol, MD; Shawne Faulks, CNS; Karl E. Rathjen, MD
- P-03 **Treatment of Older Clubfoot Infants with Resistant Equinus – Ponseti Method Combined with “Pull-down” Procedure**
Miroslav Zhivkov, MD
- P-04 **A New Dynamic Foot Abduction Orthosis for Clubfoot Treatment**
Ryan Chen, MD; J. Eric Gordon, MD; Scott J. Luhmann, MD; Perry L. Schoenecker, MD; Matthew Dobbs, MD
- P-05 **What Should We Do for Patients Who Are Not Feasible for Using Dennis-Brown Bar, after Correction with the Ponseti Method?**
Aysegul Bursali, Timur Yildirim, Sukru Sarper Gursu, Bahattin Kerem Aydin
- P-06 **Non-Operatively Treated Clubfoot Outcomes – Do Early Results Deteriorate Over Time?**
B. Steve Richards, MD; Shawne Faulks, CNS; Lori A. Karol, MD
- P-07 **Physiotherapy Clubfoot Clinic as the Clinical Model for Treatment of Idiopathic Clubfoot at The Hospital for Sick Children, Toronto**
Barbara Harvey, BHSc, PT; Unni G. Narayanan, MD, FRCSC; James G. Wright
- P-08 **Clubfoot – FAQ (frequent asked questions) of Clubfoot-Parents**
Erica Lamprecht, MD
- P-09 **A Guide to Clubfoot and Its Treatment with The Ponseti Method – For and By Parents**
Jillian Chateaneuf, Heather Cohen and parents of a child with Clubfoot
- P-10 **Ethno-Cultural Survey of the Congenital Clubfoot in Uganda**
Uganda Sustainable Clubfoot Care Project
- P-11 **Evolution of Clubfoot Care in Developing Nations – The Uganda Sustainable Clubfoot Care Project (USCCP)**
Uganda Sustainable Clubfoot Care Project
- P-12 **Training Healthcare Workers in Uganda in Detection and Treatment of Congenital Clubfeet – A Unified Module and Training Book**
Uganda Sustainable Clubfoot Care Project
- P-13 **Resource Allocation for Clubfoot Management in Uganda**
Uganda Sustainable Clubfoot Care Project
- P-14 Withdrawn
- P-15 **The Treatment of Clubfeet According to Ponseti’s Method: The Learning Curve**
A. Cuneo, M.E. Perez, M. Batista, S. Acerenza, J. Artigas, A. Cagnoli, M. Schimchak
- P-16 **Preliminary Results of the Ponseti Method in an Underserved Chilean Province**
Ximena Agurto, MD
- P-17 **Early Outcome Evaluation of the Treatment of Idiopathic Clubfoot by Using the Ponseti Method in Guadalajara, Jalisco, Mexico**
Erika Arana Hernandez, MD
- P-18 **One Year of Activity at the New Italian Clubfoot Center in Rome: Problems and Results**
Diego Bellini, MD; Ernesto Ippolito, MD
- P-19 **Historical Evolution of Clubfoot Treatment in Our Institution**
Paloma Cervera, MD; Ana Martinez, MD; Angel Villa, MD; Jose-Luis Gonzalez-Lopez, MD
- P-20 **Our Initial Experience in the Ponseti’s Method for Clubfeet and Initial Difficulties**
Paloma Cervera, MD; Ana Martinez, MD; Angel Villa, MD; Jose-Luis Gonzalez Lopez, MD
- P-21 **Use of the Ponseti Method for Recurrent Clubfoot Following Posteromedial Release**
Matthew B. Dobbs, MD; Sumeet Garg, MD
- P-22 **Can a Recurrent Clubfoot Be Treated by Ponseti Technique after Posteromedial Release?**
Monica Paschoal Nogueira, MD
- P-23 **Use of the Ponseti Method for the Treatment of Clubfoot Associated with Myelodysplasia**
David Gerlach, MD; Matthew B. Dobbs, MD
- P-24 **Modified Algorithm for Myelodysplasia Clubfoot Treatment with Ponseti Method**
Aysegul Bursali, Semih Ayanoglu, Timur Yildirim
- P-25 **Early Results of the Ponseti Method for Treatment of Arthrogrypotic Clubfoot**
Stephanie Boehm, Noppachart Limpaphayom, Farhang Alaei, Marc F. Sinclair, Matthew B. Dobbs
- P-26 **Correction of Arthrogrypotic Clubfoot with a Modified Ponseti Technique**
Harold J. P. Van Bosse, MD; Salih Marangoz, MD; Debra A. Sala, MS, PT; Wallace B. Lehman, MD
- P-27 **Ponseti Method in the Treatment of Neglected Idiopathic Clubfeet – Hospital Universitario of University of Sao Paulo Experience**
Laura Fernanda Alves Ferreira, MD
- P-28 Withdrawn
- P-29 **Two Alternative Treatments of Neglected Clubfoot**
Gastao Guilherme Frizzo, MD
- P-30 **A 7-Year-Old Child with Neglected Idiopathic Clubfeet: A Plea for Less Invasive Approach**
Abdul Halim, Syed A. Faisal, Sharaf Ibrahim
- P-31 **Ankle Joint Ganglion – A Complication After Percutaneous Tenotomy in Clubfoot Treatment?**
Oliver Eberhardt, MD
- P-32 **Iatrogenic Osteochondritis Desiccans of the Talus in a 4-Year-Old with Residual Clubfoot Deformity: Case Report and Review of Literature**
Daniel J Hatch, DPM, FACFAS; Kristine Hoffman, DPM
- P-33 **Tarsal Coalition as a Rare Associated Finding in Idiopathic Congenital Clubfeet**
Beate Stocker, MD; Manfred Nelitz, MD
- P-34 **A Study of the Five-Year Follow-up of the Correction of Clubfeet by Fractional Distraction Using External Fixation**
N. S. Laud, MD; S. S. Warriar, MD
- P-35 **Experience with Ponseti Management of Clubfeet in Lyon (France)**
J. Berard, F. Chotel, R. Parot, V. Cunin, E. Garnier, M. Chaker
- P-36 **Treatment of Neuromuscular and Syndrome Associated (non-idiopathic) Clubfeet Using the Ponseti Method**
Joseph A. Janicki, MD; James G. Wright, MD, MPH, FRCSC; Barbara Harvey, BHSc, PT; Anvesh Roy, MBBS; Unni G Narayanan, MBBS, FRCSC